

Title (en)
PASSIVE SWITCH-BASED PHASE SHIFTER

Title (de)
PASSIVER, SCHALTERBASIERTER PHASENSCHIEBER

Title (fr)
DÉPHASEUR À BASE DE COMMULATEURS PASSIFS

Publication
EP 3097640 B1 20190306 (EN)

Application
EP 14828621 A 20141222

Priority
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Abstract (en)
[origin: US2015207486A1] Certain aspects of the present disclosure provide apparatus for producing an output signal that may have a phase difference with respect to an input signal. One example phase shifting circuit for producing such an output signal generally includes a transmission line having first and second points, an impedance connected with a node and with a reference voltage level, a first switch connected with the first point of the transmission line and with the node, and a second switch connected with the second point of the transmission line and with the node, wherein a first signal input to the first point of the transmission line has a phase difference with a second signal output from the second point based on one or more properties of the transmission line when the first and second switches are open.

IPC 8 full level
H03H 7/18 (2006.01); **H01P 1/18** (2006.01); **H01Q 3/38** (2006.01); **H03H 7/20** (2006.01)

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US 2015207486 A1 20150723; US 9160296 B2 20151013; BR 112016016775 A2 20170808; CN 105917580 A 20160831; CN 105917580 B 20180925; EP 3097640 A1 20161130; EP 3097640 B1 20190306; JP 2017505052 A 20170209; JP 6509878 B2 20190508; KR 102323385 B1 20211105; KR 20160108509 A 20160919; WO 2015112299 A1 20150730

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